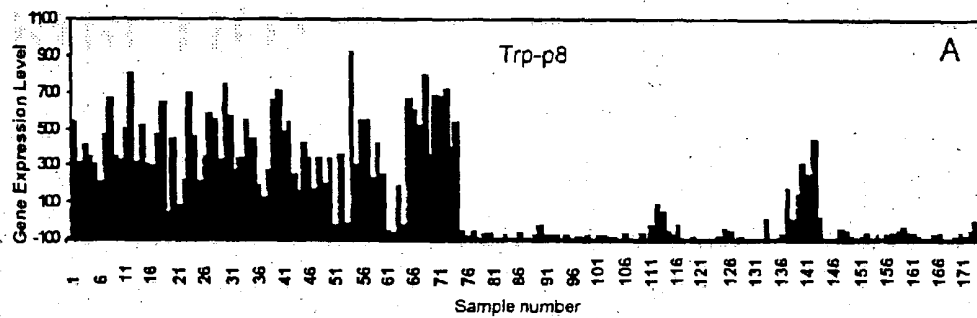
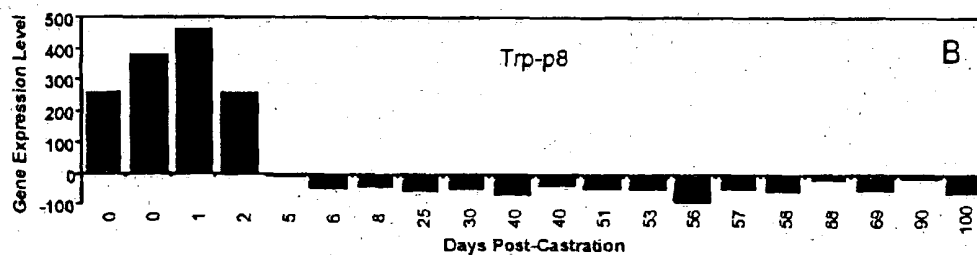


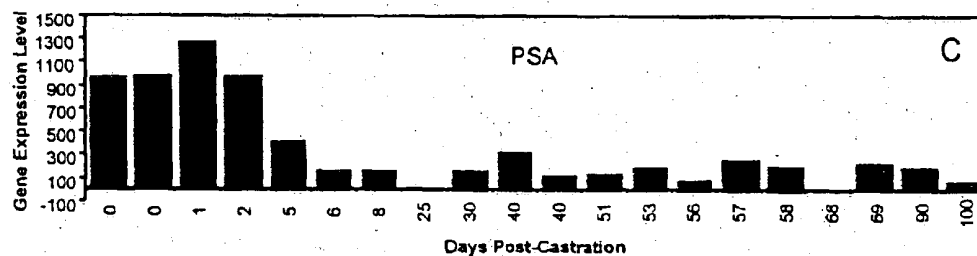
FIGURE 1



2A

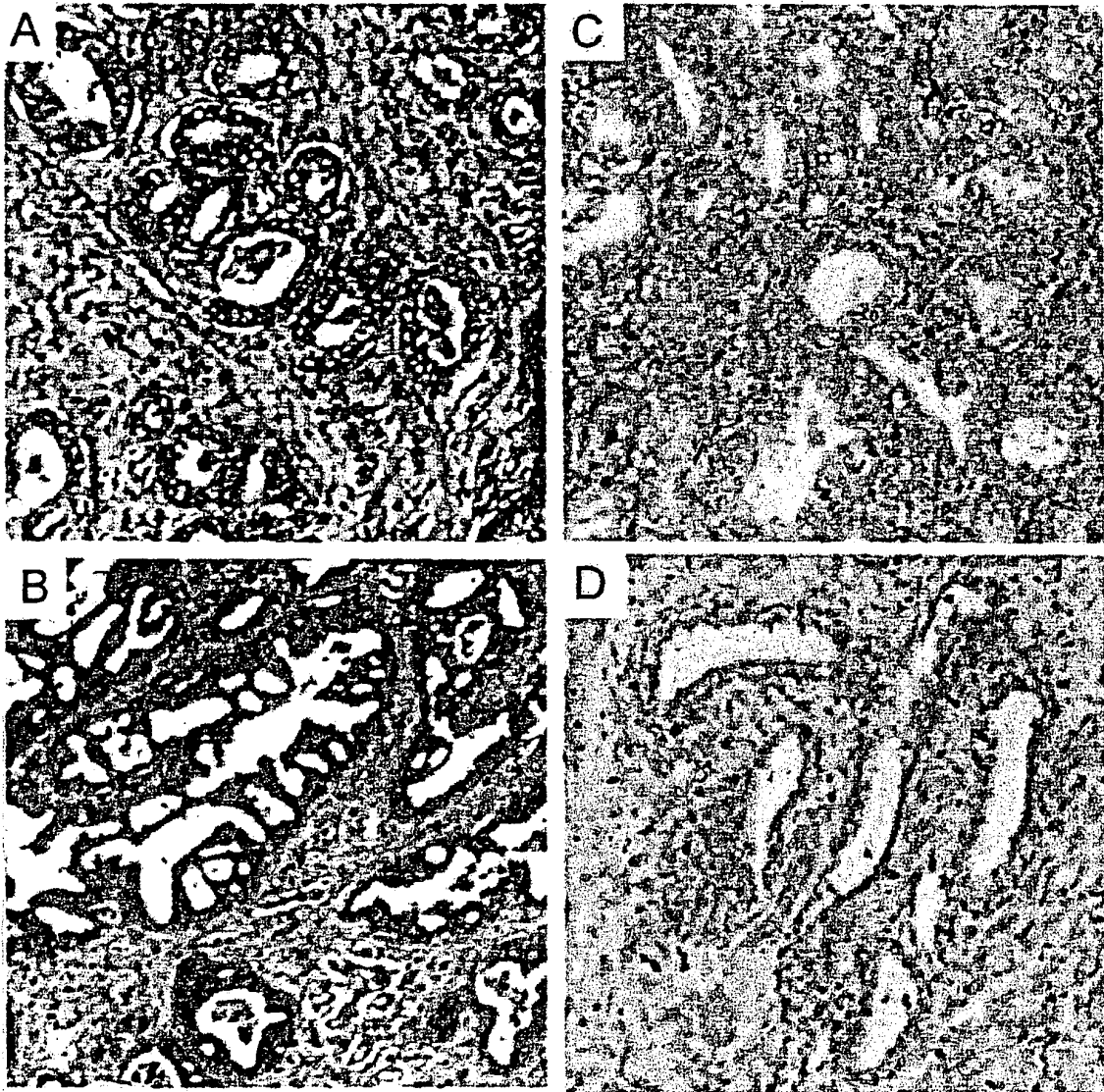


2B



2C

FIGURES 2A, 2B, & 2C



FIGURES 3A, 3B, 3C, & 3D

MSFRAARLSMRNRRNDTLDSTRTRYSSASRSTDLSYSESDLVNFIQANFKKRECVFFTKD
SKATENVCKCGYAQSQHMEGTQINQSEKWNYYKKHTKEFPTDAFGDIQFETLGKKGKYIRL
SCDTDAEILYELLTQHWHLKTPNLVISVTGGAKNFALKPRMRKIFSRLIYIAQSKGAWIL
TGGTHYGLMKYIGEVRDNTISRSEENIVAIGIAAWGMVSNRDTLIRNCDAEGYFLAQY
LMDDFTRDPLYILDNNHTHLLLVDNGCHGHPTVEAKLRNQLKYEISERTIQDSNYGGKIP
IVCFAQGGGKETLKAINTSIKNKIPCVVVEGSGQIADVIASLVEVEDALTSSAVKEKLV
FLPRTVSRLPPEETESWIKWLKEILECSHLLTVIKMEEAGDEIVSNAISYALYKAFSTSE
QDKDNWNGQLKLLLEWNQLDLANDEIFTNDRRWESADLQEVMTALIKDRPKFVRLFLEN
GLNLRKFLTHDVLTELFNSHFSTLVYRNLQIAKNSYNDALLTFVWKLVANFRRGFRKEDR
NGRDEMDIELHDVSPITRHLPLQALFIWAILQNKKELSKVIWEQTRGCTLAALGASKLLKT
LAKVKNDINAAGESEELANEYETRAVELFTECYSSDEDLAEQLLVYSCEAWGGSNCLELA
VEATDQHFIAPQGVQNFLSKQWYGEISRDTKNWKIILCLFIIPLVGCGFVSFRKKPVDKH
KKLLWYYVAFFTSPFVVSFVSWNVVFYIAFLLLFAYVLLMDFHSVPHPELVLYSLVFLFC
DEVQRQWYVNGVNYFTDLWNVMDTLGLFYFIAGIVFRLHSSNKSSLYSGRVIFCLDYIIFT
LRLIHIFTVSRNLGPKIIMLQRMIDVFFFLFLFAVVMVAFGVARQGILRQNEQRWRWIF
RSVIYEPYLAAMFGQVPSVDGTTDYDFAHCTFTGNEKPLCVELDEHNLPRFPEWITIPLV
CIYMLSTNILLVNLLVAMFGYTVGTVQENNDQVWKFQRYFLVQEYCSRLNIPFPFIVFAY
FYMVVKCKFKCCCKEKNMESSVCCFKNEDNETLAWEGVMKENYLVKINTKANDTSEEMRH
RFRQLDTKLNDLKGLLKEIANKIK

FIGURE 4A

ATGTCCTTTTCGGGCAGCCAGGCTCAGCATGAGGAACAGAAGGAATGACACTCTGGACAGCACCCGGACCTGTACT
CCAGCGCGTCTCGGAGCACAGACTTGTCTTACAGTGAAAGCGACTTGGTGAATTTTATTCAAGCAAATTTTAAGAA
ACGAGAATGTGTCTTCTTTACCAAAGATTCCAAGGCCACGGAGAATGTGTGCAAGTGTGGCTATGCCCAGAGCCAG
CACATGGAAGGCACCCAGATCAACCAAAGTGAGAAATGGAACACTACAAGAAACACACCAAGGAATTTCTTACCGACG
CCTTTGGGGATATTTCAGTTTGAGACACTGGGGAAGAAAGGGAAGTATATACGTCTGTCTCTGCGACACGGACGCGGA
AATCCTTTACGAGCTGCTGACCCAGCACTGGCACCTGAAAACACCCAACTTGGTCAATTTCTGTGACCGGGGGCGCC
AAGAACTTCGCCCTGAAGCCGCGCATGCGCAAGATCTTCAGCCGGCTCATCTACATCGCGCAGTCCAAAGGTGCTT
GGATTCTCACGGGAGGCACCCATTATGGCCTGATGAAGTACATCGGGGAGGTGGTGAGAGATAACACCATCAGCAG
GAGTTTCAGAGGAGAATATTGTGGCCATTGGCATAGCAGCTTGGGGCATGGTCTCCAACCGGGACACCTCATCAGG
AATTGCGATGCTGAGGGCTATTTTTTAGCCAGTACCTTATGGATGACTTCACAAGAGATCCACTGTATATCCTGG
ACAACAACCACACACATTTGCTGCTCGTGGACAATGGCTGTCATGGACATCCCACTGTGCAAGCAAAGCTCCGGAA
TCAGCTAGAGAAGTATATCTCTGAGCGCACTATTCAAGATTCCAACATATGGTGGCAAGATCCCCATTGTGTGTTTT
GCCCCAAGGAGGTGGAAGAGACTTTGAAAGCCATCAATACCTCCATCAAAAATAAAATTCCTTGTGTGGTGGTGG
AAGGCTCGGGCCAGATCGCTGATGTGATCGCTAGCCTGGTGGAGGTGGAGGATGCCCTGACATCTTCTGCCGTCAA
GGAGAAGCTGGTGGCCTTTTTACCCCGCACGGTGTCCCGGTGCGCTGAGGAGGAGACTGAGAGTTGGATCAAATGG
CTCAAAGAAATTCTCGAATGTTCTCACCTATTAACAGTTATTAATAAGGAAGCTGGGGATGAAATTGTGAGCA
ATGCCATCTCCTACGCTCTATACAAAGCCTTCAGCACCAGTGAGCAAGACAAGGATAACTGGAATGGGCAGCTGAA
GCTTCTGCTGGAGTGGAACCACTGGACTTAGCCAATGATGAGATTTTACCAATGACCGCCGATGGGAGTCTGCT
GACCTTCAAGAAGTCAATGTTTTACGGCTCTCATAAAGGACAGACCAAGTTTGTCCGCTCTTTCTGAGAATGGCT
TGAACCTACGGAAGTTTCTCACCCTGATGTCCTCACTGAACCTCTTCTCCAACCACTTCAGCACGCTTGTGTACCG
GAATCTGCAGATCGCCAAGAATTCTTATAATGATGCCCTCCTCACGTTTGTCTGGAACTGGTTGCGAACTTCCGA
AGAGGCTTCCGGAAGGAAGACAGAAATGGCCGGGACGAGATGGACATAGAACTCCACGACGTGTCTCTTACTATC
GGCACCCCTGCAAGCTCTCTTCATCTGGGCCATTCTTCAGAATAAGAAGGAACCTCCAAAGTCATTTGGGAGCA
GACCAGGGGCTGCACTCTGGCAGCCCTGGGAGCCAGCAAGCTTCTGAAGACTCTGGCCAAAGTGAAGAACGACATC
AATGCTGCTGGGGAGTCCGAGGAGCTGGCTAATGAGTACGAGACCCGGGCTGTTGAGCTGTTCACTGAGTGTTACA
GCAGCGATGAAGACTTGGCAGAACAGCTGCTGGTCTATTCTGTGAAGCTTGGGGTGAAGCAACTGTCTGGAGCT
GGCGGTGGAGGCCACAGACCAGCATTTCATCGCCAGCCTGGGGTCCAGAATTTCTTTCTAAGCAATGGTATGGA
GAGATTTCCCGAGACACCAAGAAGTGAAGATTATCCTGTGTCTGTTTATTATACCCCTGGTGGGCTGTGGCTTTG
TATCATTTAGGAAGAAACCTGTGCAAGCACAAGAAGCTGCTTTGGTACTATGTGGCGTTCTTCACCTCCCCCTT
CGTGGTCTTCTCCTGGAATGTGGTCTTCTACATCGCCTTCTCTCTGCTGTTTGCCTACGTGCTGCTCATGGATTT
CATTCCGTGCCACACCCCCCGAGCTGGTCTGTACTCGCTGGTCTTTGTCTCTTCTGTGATGAAGTGAGACAGT
GGTACGTAAATGGGGTGAATTATTTTACTGACCTGTGGAATGTGATGGACACGCTGGGGCTTTTTTACTTCATAGC
AGGAATTGTATTTTCGGCTCCACTCTTCTAATAAAGCTCTTTGTATTCTGGACGAGTCATTTCTGTCTGGACTAC
ATTATTTTCACTCTAAGATTGATCCACATTTTACTGTAAGCAGAAACTTAGGACCCAAGATTATAATGCTGCAGA
GGATGCTGATCGATGTGTTCTTCTTCTGTTCTCTTTGCGGTGTGGATGGTGGCCTTTGGCGTGGCCAGGCAAGG
GATCCTTAGGCAGAATGAGCAGCGCTGGAGGTGGATATTCCGTTCCGTCATCTACGAGCCCTACCTGGCCATGTTT
GGCCAGGTGCCAGTGACGTGGATGGTACCACGTATGACTTTGCCCACTGCACCTTCACTGGGAATGAGTCCAAGC
CACTGTGTGTGGAGCTGGATGAGCACAACCTGCCCCGTTCCCCGAGTGGATCACCATCCCCCTGGTGTGCATCTA
CATGTTATCCACCAACATCCTGCTGGTCAACCTGCTGGTCCCATGTTTGGCTACACGGTGGGCACCGTCCAGGAG
ACAATGACCAGGTCTGGAAGTTCCAGAGGTACTTCTGGTGCAGGAGTACTGCAGCCGCTCAATATCCCCCTTCC
CCTTCATCGTCTTCGCTTACTTCTACATGGTGGTGAAGAAGTGCTTCAAGTGTGCTGCAAGGAGAAAAACATGGA
GTCTTCTGTCTGCTGTTTTCAAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTGTGATGAAGGAAAACTACCTT
GTCAAGATCAACACAAAAGCCAACGACACCTCAGAGGAAATGAGGCATCGATTTAGACAACTGGATACAAAGCTTA
ATGATCTCAAGGTCTTCTGAAAGAGATTGCTAATAAAATCAAATGA

FIGURE 4B